UNIVERSITY OF QUEENSLAND

Computer Centre

WEEKLY NEWSLETTER

Date   : Week ended 21 October 1971

Authorization : Director of the Computer Centre

1. OPERATIONS

1.1 PDP-10 System

Friday	15 October	Accounting procedures 0929-1028 System failure, offline 1657-1710 Dedicated mode 2216-2345.
Monday	18 October	System development 2316-2400.
Tuesday	19 October	Accounting procedures 0910-1125.
Wednesday	20 October	System failure, parity error, offline 1605-1627.
Thursday	21 October	System failure, offline 1130-1154 System hangup, CTY not responding, system restarted, 1940-1945.

Schedule for forthcoming week: Maintenance 0700-0900
                                   Operations   1000-2315

1.2 GE-225 System

Schedule for forthcoming week: Maintenance 0700-0900, 2000-2130
                                   Operations 0900-2000, 2130-2400

2. ENCODE/DECODE SYNTAX RESTRICTIONS

The number of characters specified in ENCODE or DECODE statements may
be an integer variable or an integer constant but not an expression.
For example;

        ENCODE(20,10,A) I,J,K

        DECODE(N,40,A) X,Y

are acceptable provided statement numbers 10 and 40 are legal format
statements.

The following statement produces a compilation error:

```
********                ENCODE(K*J,1Ø,A) I,JK
********                        ↑
********                S-1 SYNTAX
```

Note also that a similar restriction applies to logical device numbers
in READ and WRITE statements.

3.   PDP-10 RANDOM AND SEQUENTIAL FILE ACCESS

Users should not attempt to mix random and sequential modes of access
for the same file in a FORTRAN program. The following rules for
reading and writing FORTRAN files should be observed.

(a) A logical unit may not be used for sequential and then random
     input/output in the same program unless an intervening CALL to
     RELEASE is issued. For example, if sequential input/output is
     done to unit 10, then random input/output to unit 10 is illegal
     and will fail.

(b) Before random input/output is performed through a READ or WRITE
     statement, the file must be properly defined through a DEFINE FILE.

(c) CALLs to IFILE or OFILE open files for sequential input/output.
     They must not be issued for logical units to be used for random
     input/output. If it is desired to open a file for sequential
     input/output on a unit that has been used for random input/output,
     a CALL to RELEASE must be issued before a CALL to IFILE or OFILE.